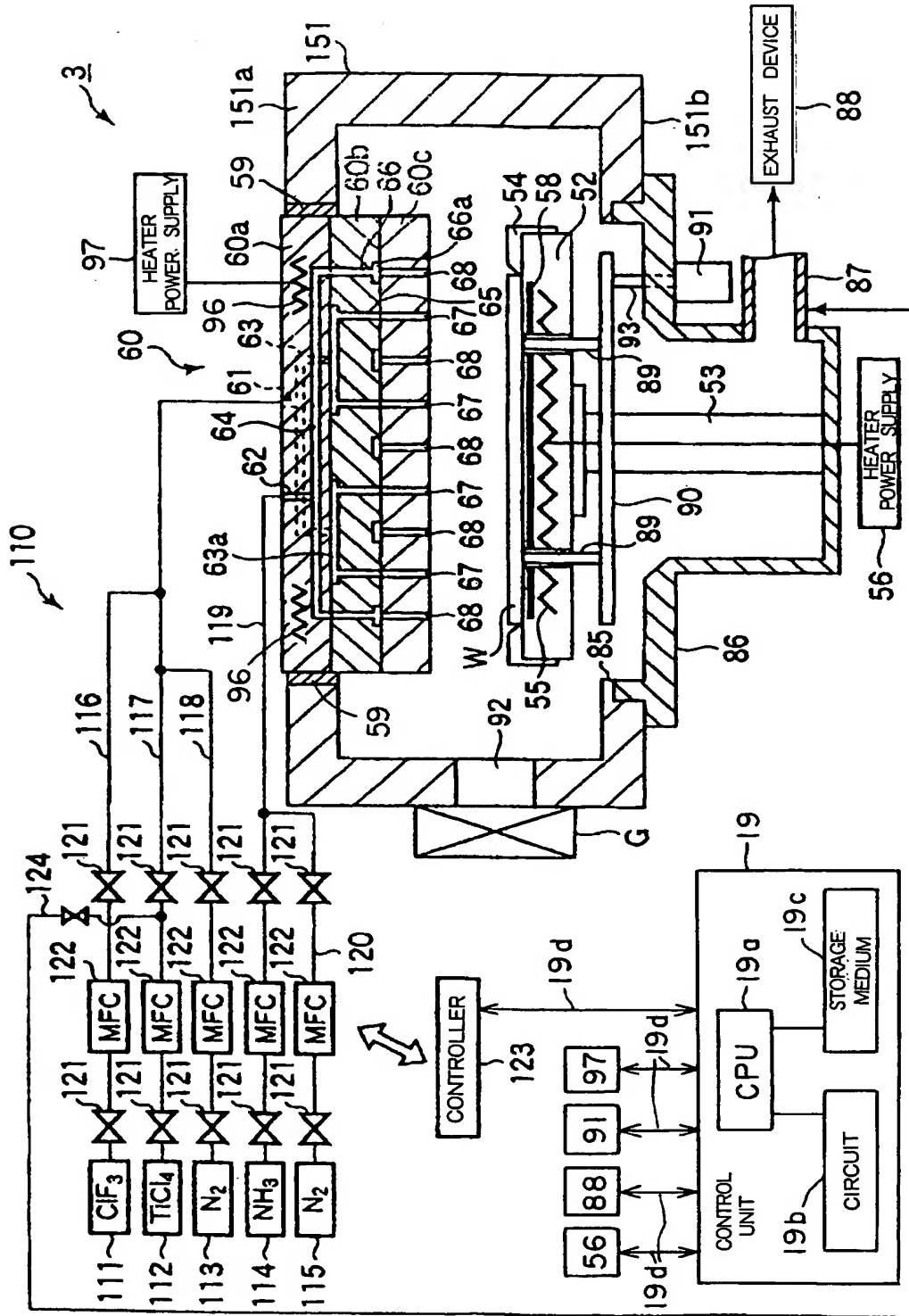
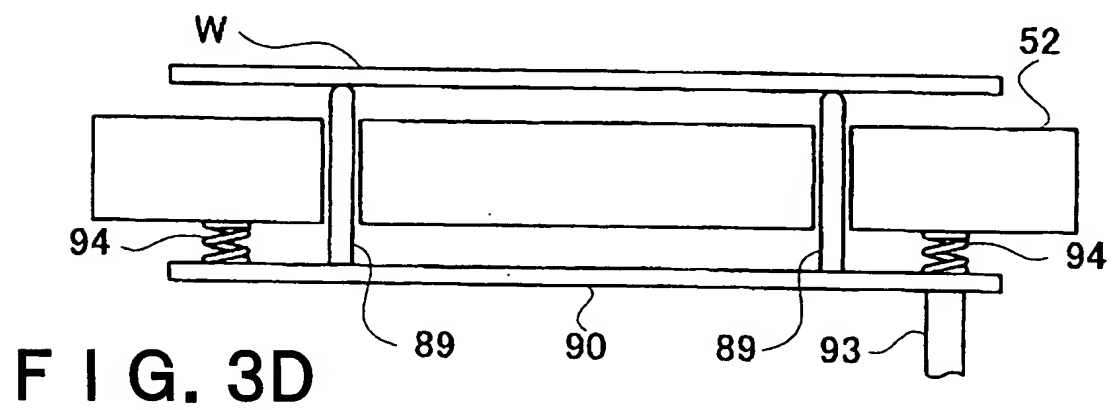
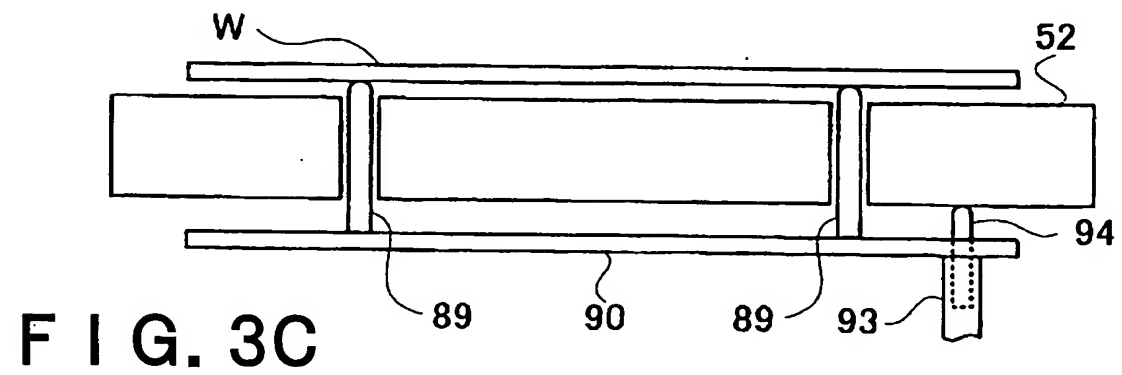
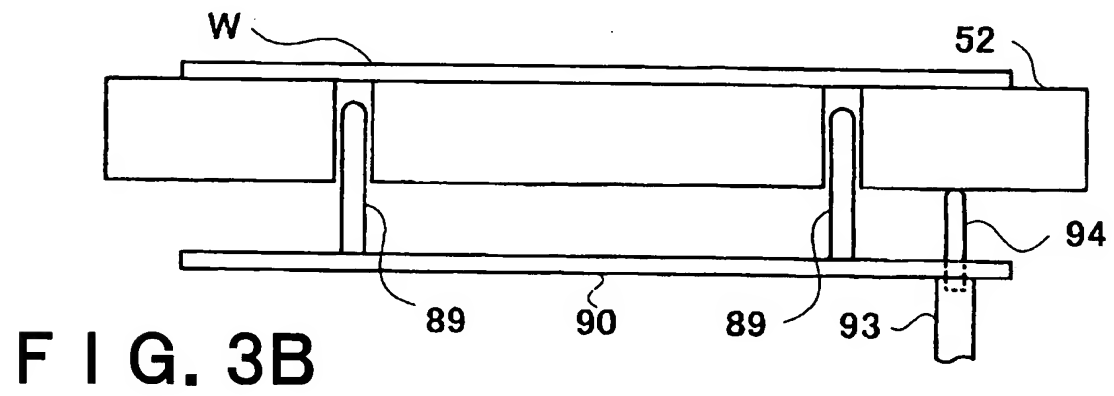
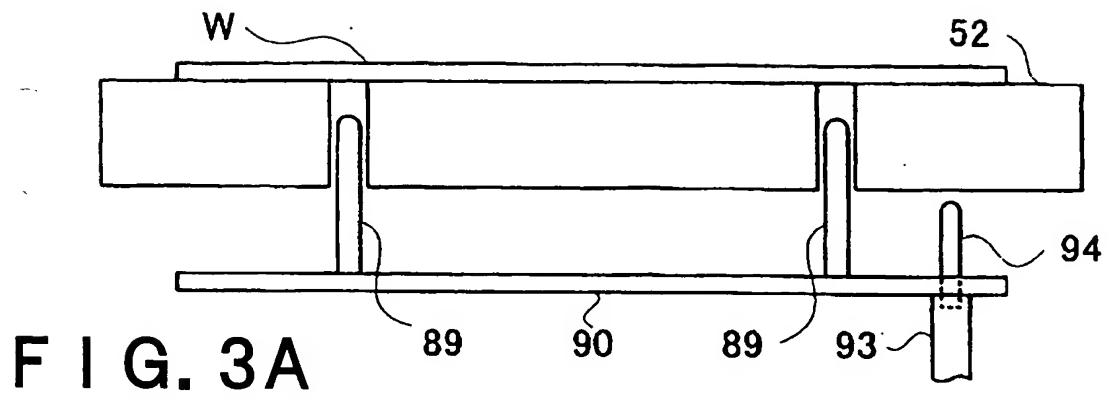


FIG. 1



## FIG. 2



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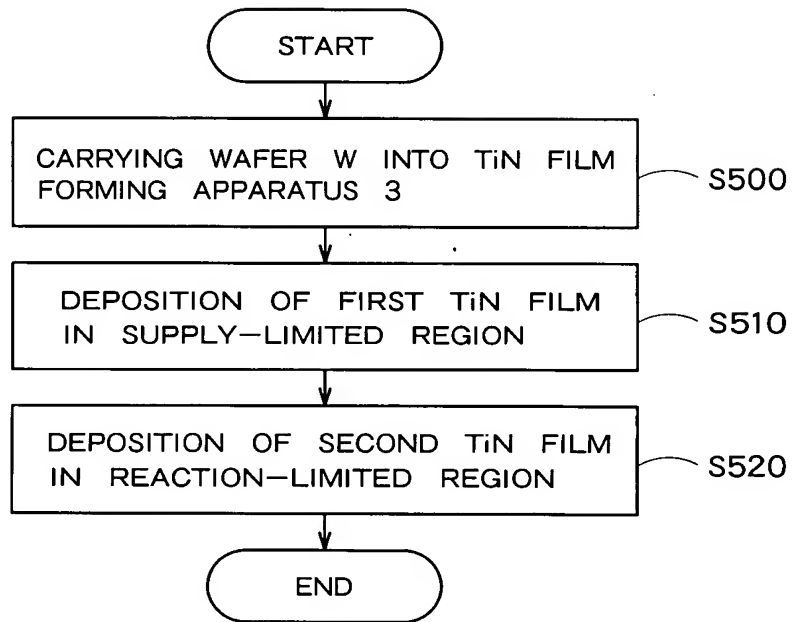


FIG. 4

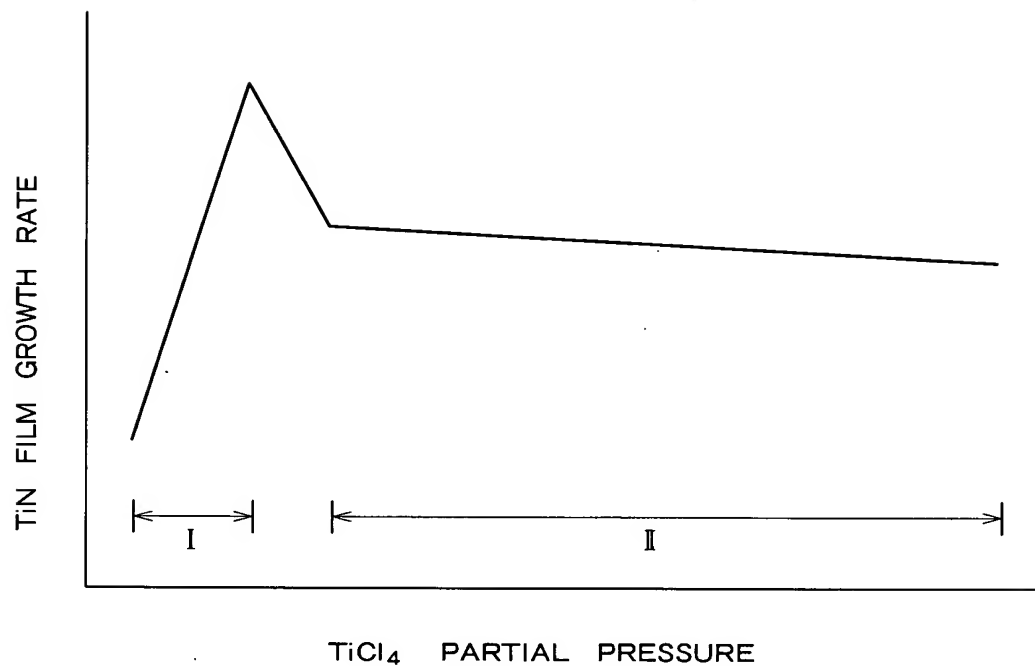


FIG. 5

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TOTAL PRESSURE (Torr)	TOTAL FLOW RATE (sccm)	NH <sub>3</sub> FLOW RATE (sccm)	TiCl <sub>4</sub> FLOW RATE (sccm)	PARTIAL PRESSURE RATIO
5	800	45	6.0 ~ 9.0	0.13 ~ 0.20
5	1100	60	8.0 ~ 12	0.13 ~ 0.20
5	1600	90	12 ~ 18	0.13 ~ 0.20

**F I G. 6A**

TOTAL PRESSURE (Torr)	TOTAL FLOW RATE (sccm)	NH <sub>3</sub> FLOW RATE (sccm)	TiCl <sub>4</sub> FLOW RATE (sccm)	PARTIAL PRESSURE RATIO
5	800	45	9.0 ~ 65	0.20 ~ 1.44
5	1100	60	12 ~ 90	0.20 ~ 1.50
5	1600	90	18 ~ 130	0.20 ~ 1.44

**F I G. 6B**

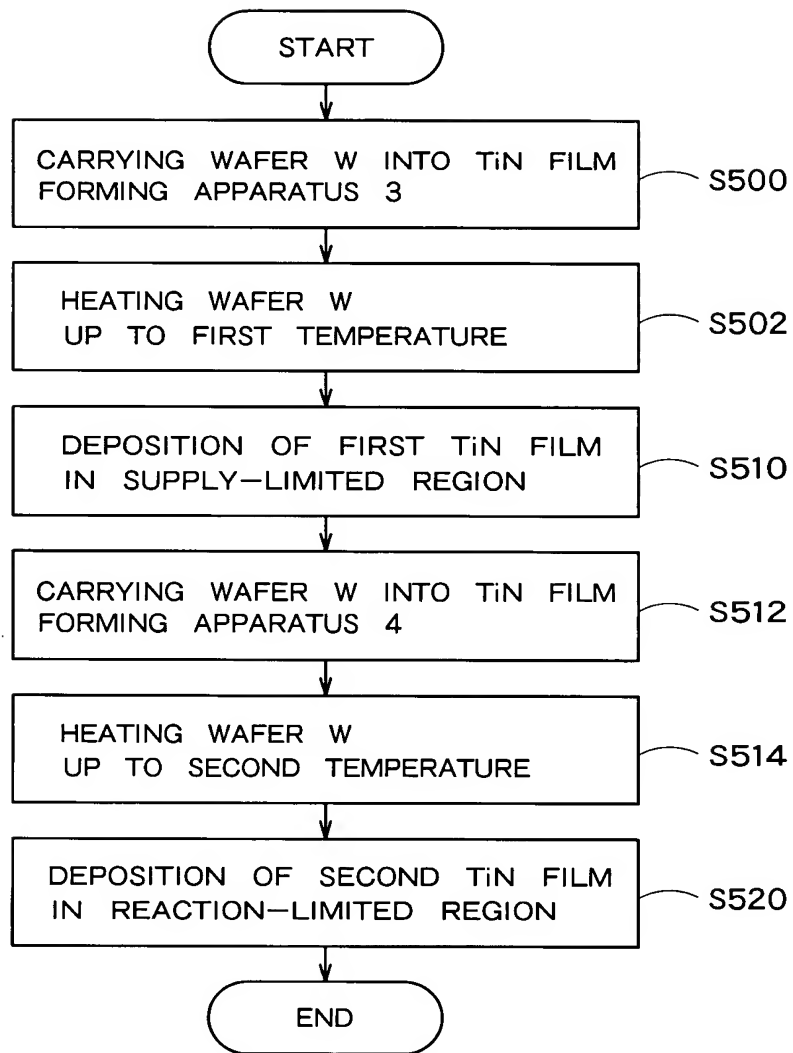


FIG. 7

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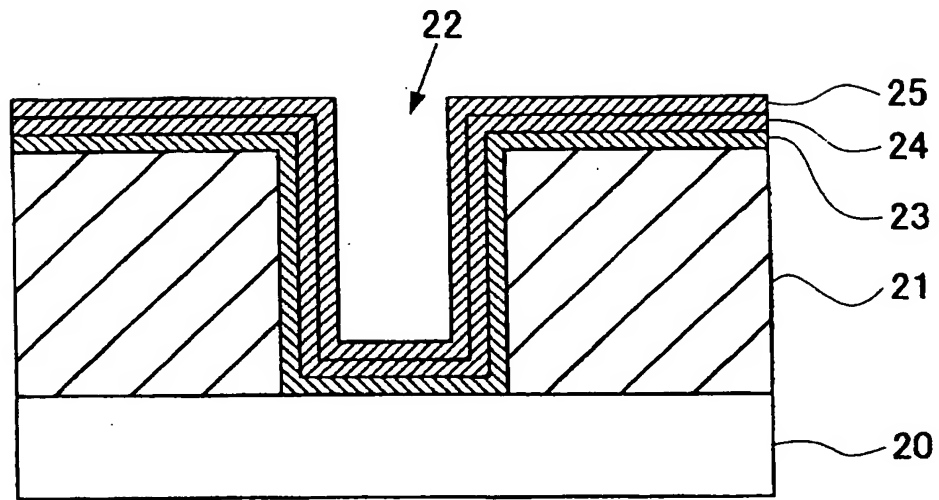


FIG. 8A

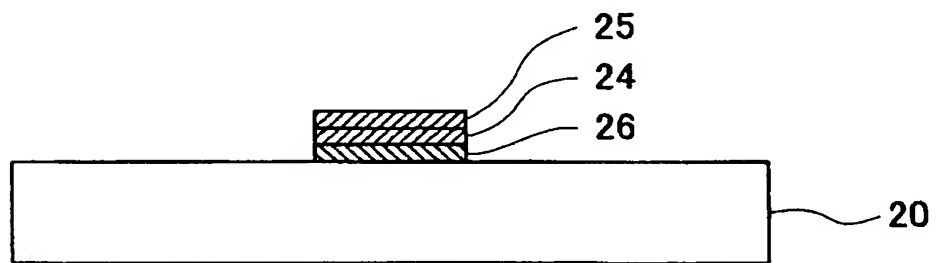


FIG. 8B

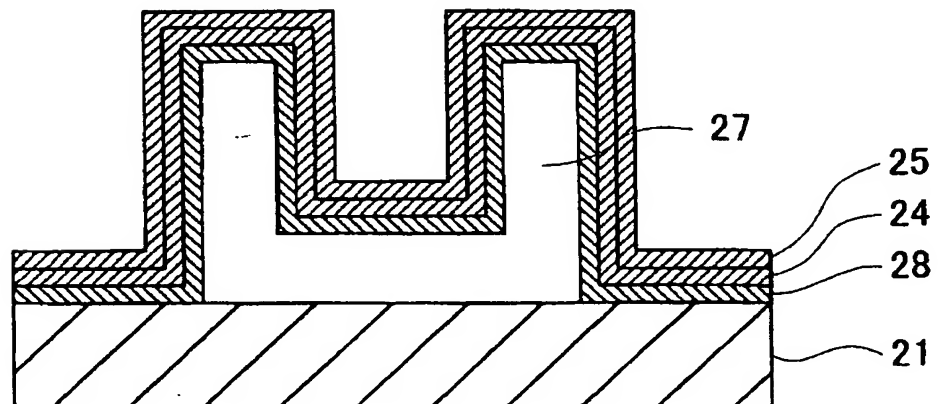


FIG. 8C